

# Comparisons of Job Characteristics

**Focus Occupation: Industrial Engineers (17-2112)**

**Associated Occupation: Emergency Management Specialists (13-1061)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 11

**Focus Occupation: Industrial Engineers (17-2112)**

**Associated Occupation: Emergency Management Specialists (13-1061)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Public Safety and Security	6.9	20.5	6.7	<<	Extensive education and/or training may be required
Education and Training	9.2	16.9	12.4	<<	Extensive education and/or training may be required
Law and Government	5.9	16.6	4.0	<<	Extensive education and/or training may be required
Administration and Management	8.4	16.3	11.4	<<	Extensive education and/or training may be required
Communications and Media	5.3	12.0	4.7	<<	Extensive education and/or training may be required
Geography	3.9	11.6	2.7	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	11.6	5.1	<<	Extensive education and/or training may be required
Transportation	4.6	11.4	5.3	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.9	3.5	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	9.3	3.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation: Industrial Engineers (17-2112)**

**Associated Occupation: Emergency Management Specialists (13-1061)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Service Orientation	7.9	16.8	7.5	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	16.3	12.8	<<	Extensive development of skills in this area may be required
Coordination	9.1	15.1	9.8	<<	Extensive development of skills in this area may be required
Monitoring	9.9	13.6	12.2	<	A higher skill level may be required
Judgment and Decision Making	9.4	13.5	10.7	<	A higher skill level may be required
Systems Analysis	6.5	12.6	9.9	<	A higher skill level may be required
Persuasion	7.4	11.6	8.3	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	11.5	9.5	<	A higher skill level may be required
Negotiation	6.8	10.8	7.3	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	8.1	7.2	<	A higher skill level may be required
Management of Financial Resources	3.3	7.1	6.0	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Industrial Engineers (17-2112) Associated Occupation: Emergency Management Specialists (13-1061)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Deductive Reasoning	10.6	14.5	12.5	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	14.5	13.6	0	Current ability level may be sufficient
Speech Clarity	10.2	14.2	9.6	<<	Extensive improvement in abilities may be required
Written Expression	9.8	14.2	14.1	0	Current ability level may be sufficient
Speech Recognition	9.9	13.6	9.6	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	13.0	9.7	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	12.8	11.8	0	Current ability level may be sufficient
Originality	7.6	12.8	9.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 45

**Focus Occupation: Industrial Engineers (17-2112)**  
**Associated Occupation: Emergency Management Specialists (13-1061)**

Work Activities	Exclusivity of Activity
Develop policies, procedures, methods, or standards	21
Use hazardous materials information	35

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 39

**Focus Occupation: Industrial Engineers (17-2112)**  
**Associated Occupation: Emergency Management Specialists (13-1061)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Indicating and recording instruments	2
Industry specific software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.